



Ph.D. Position in Cancer Epigenetics

A PhD student position is available in the team of **Fulvio Chiacchiera** at the European Institute of Oncology (**IEO**) in Milan.

Funded by a five-year Airc Grant, my team, embedded in Diego Pasini's Unit, independently works on the **epigenetic mechanism driving liver cancer formation and progression** using an interdisciplinary approach combining *in vivo* and *in vitro* models, imaging and next generation sequencing (ChIPseq, RNAseq and Single Cell transcriptomic).

Hepatocellular carcinoma (HCC) is one of the most common and lethal malignancies for which successful pharmacological approaches are still lacking. Genetic and expression profiling studies identified the main HCC driver that, when mutated, support tumor formation and progression, among them, chromatin remodelers.

We are looking for **highly motivated**, intellectually curious individuals to address the role of chromatin remodeling in preserving liver homeostasis and to characterize the epigenetic mechanisms leading to HCC formation. A close collaboration with the hepato-biliary surgical unit will ensure the translatability of the results obtained.

Successful candidate will be exposed to **a vibrant and intellectually exciting environment**, he/she will apply different genomics techniques, histological and immunohistochemical techniques, primary organoids culture from patients, among others. Familiarity with any of the following topics will be considered an advantage but are not mandatory: gene regulation/chromatin biology, histology, mouse genetics, tumor biology. Willingness to work with mouse models is mandatory.

The European Institute of Oncology is a comprehensive cancer center and one of the most influential cancer research institutes in Europe. Different facilities, equipped with state-of-the-art technologies, support research activities. The Department of Experimental Oncology is located within campus together with two other partner institutions: the FIRC Institute of Molecular Oncology (IFOM) and the Italian Institute of Technology (IIT).

Candidates should send a **CV** (including extra-academic achievements, NO European format) and contacts of **one/two referees** to:

fulvio.chiacchiera@ieo.it

Deadline: 26th March, 2018

Interview: April, 2018

A pre-doctoral fellowship will be offered starting from May 2018. Successful Candidates will be encouraged to apply to **SEMM PhD program** (for info see <http://www.semm.it/>).

<http://www.ieo.it/en>